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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/528,793

03/23/2005

Toru Miyano

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RATNERPRESTIA

P.O. BOX 980

VALLEY FORGE, PA 19482

EXAMINER

ADEGEYE, OLUWASEUN

ART UNIT

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2621

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/528,793	Applicant(s) MIYANO, TORU	
	Examiner OLUWASEUN A. ADEGEYE	Art Unit 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03/23/2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 - 11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 - 11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03/23/2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Applicant's arguments with respect to claims 1, 9 and 10 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1 – 3 and 5 – 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ellis (US 2004/0103434 A1) in view of Numano et al (US 6,763,400 B2) and Shi et al (US 6,920,090 B2).

As to **claim 1**, Ellis discloses a disk apparatus (66) (see [62]) comprising:

a disk section (hard disk) of recording and/or reproducing at least one of video, audio and data (see [62] and [63]),

a processing section (tuner) of processing at least one of said video, audio and data (see [63]),

disk start control means (72) of controlling said disk section and said processing section (see [69] - [71]), and

Ellis does not disclose disk start mode setting means of setting either one of a disk start disabling mode of disabling the start of said disk section and a disk start enabling mode of enabling the start of said disk section, wherein

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at the time when power ON operation is carried out, in the case (1) when said disk start mode setting means sets said disk start disabling mode , said disk start control means carries out control so as to start said processing section (tuner) without starting said disk section, and in the case (2) when said disk start mode setting means sets said disk start enabling mode , said disk start control means carries out control so as to start said disk section and said processing section.

Numano discloses at the time when power ON operation is carried out , in the case (2) when said disk start mode setting means sets said disk start enabling mode , said disk start control means carries out control so as to apply power to said disk section and said processing section (see column 4, lines 23 – 45).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have added the disk start mode setting means of Numano to the apparatus of Ellis to provide a computer capable of easily and speedily making an operation for reproducing multimedia data (see column 1, lines 44 – 48).

Ellis in view of Numano does not disclose disk start mode setting means of setting either one of a disk start disabling mode of disabling the start of said disk section and a disk start enabling mode of enabling the start of said disk section , wherein

(1) when said disk start mode setting means sets said disk start disabling mode , said disk start control means carries out control so as to apply power to said processing section without applying power to said disk section

Shi discloses disk start mode setting means of setting either one of a disk start disabling mode of disabling the start of said disk section and a disk start enabling mode of enabling the start of said disk section (see column 2, lines 5 – 19) , wherein

(1) when said disk start mode setting means sets said disk start disabling mode , said disk start control means carries out control so as to apply power to said processing section without applying to said disk section (see column 5, lines 1 – 12 and column 5, lines 29 - 42).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have added the functions of Shi to the apparatus of Ellis in view of Numano to provide an apparatus that a system that is efficient and saves energy (see column 3, lines 45 – 47).

Column 5, lines 28 – 34 of Numano clearly discloses supplying power to the disk section and not supplying power to other sections which the applicants claim is the opposite of his claimed invention. Shi on the other hand discloses saving energy by applying power to the computer (processing section) and not applying power to the optical disc player (disk section) (see column 5, lines 1 - 12).Shi also discloses that it is possible to supply power to both section although that will not be efficient (see column 5, lines 8 – 12).

As to **claim 2**, Ellis discloses a disk apparatus in accordance with claim 1, wherein said disk start mode setting means is set in said disk start disabling mode in a production shipment stage (see [106]).

As to **claim 3**, Ellis discloses a disk apparatus in accordance with claim 1, wherein said disk section is a hard disk of carrying out recording and/or reproduction on magnetic disk media (see [62]).

As to **claim 5**, Ellis discloses a disk apparatus in accordance with claim 1, wherein said processing section is a tuner of receiving broadcasting (see [55] and [63]).

As to **claim 6**, Ellis discloses a disk apparatus in accordance with claim 3, serving as a recorder (PVR) equipped with a hard disk (see [62]), wherein said processing section is a tuner of receiving broadcasting (see [55] and [62] – [63]).

As to **claim 7**, Ellis discloses a disk apparatus in accordance with claim 3, serving as a DVD recorder equipped with a hard disk (see [62]), wherein said processing section is (1) a tuner of receiving broadcasting (see [55] and [62] – [63]) and (2) an optical disk section (compact disc recorder) of recording and/or reproducing said broadcasting received on an optical disk (see [62]).

As to **claim 8**, Ellis discloses a disk apparatus in accordance with claim 3, serving as a television set (64) equipped with a hard disk (see [61] – [63]), wherein said processing section is (1) a tuner of receiving broadcasting (see [55] and [62] – [63]) and (2) a display section (64) of displaying said broadcasting received (see [55] and [61]).

As to **claim 9**, this is a method claim corresponding to the apparatus claim 1. Therefore, claim 9 is analyzed and rejected as previously discussed with respect to claim 1.

As to **claim 10**, this claim is similar to claim 9 only in that claim 10 is a computer program claim. Ellis discloses a microcontroller or microprocessor that is used to execute software applications (see [53] and [56]).

As to **claim 11**, grounds for rejecting claim 10 apply to claim 11 in its entirety.

4. Claims 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ellis in view of Numano and Shi as applied to claims 1, 9 and 10 above, and further in view of Lee et al (US 6, 466, 391 B1).

As to **claim 4**, Ellis in view of Numano and Shi discloses a disk apparatus in accordance with claim 3. However they do not disclose wherein the safety zone of said hard disk is present on said magnetic disk media.

Lee discloses wherein the safety zone of said hard disk is present on said magnetic disk media (see column 1, lines 12 – 24, column 1, lines 35 - 48, column 4, lines 2 – 6 and column 7, lines 11 – 18).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have made the safety zone of the hard disk system present on the disc media as taught by Lee to the apparatus of Ellis in view of Numano to prevent inadvertent damage to the data region of the disc (see column 7, lines 11 – 15).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to OLUWASEUN A. ADEGEYE whose telephone number

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is (571)270-1711. The examiner can normally be reached on Monday - Friday 7:30 - 5:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha D. Banks-Harold can be reached on 571-272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

11/20/2008

/Marsha D. Banks-Harold/

Supervisory Patent Examiner, Art Unit 2621

/O.A/